

TECHNICAL SYSTEM SUMMARY

EXTENSIVE SUBSTRATE SYSTEM

SEEDED GREEN ROOF SOLUTION

This is an economical and practical method for vegetating larger roof areas. A mix of seeds, bulking agent, tackifier and fertiliser is sown onto lightweight substrate to germinate and grow. A comprehensive range of guarantees are available for this system.

Seeded plants a blend of 27 species of stonecrop, wildflower and herbs for a varied plant community.

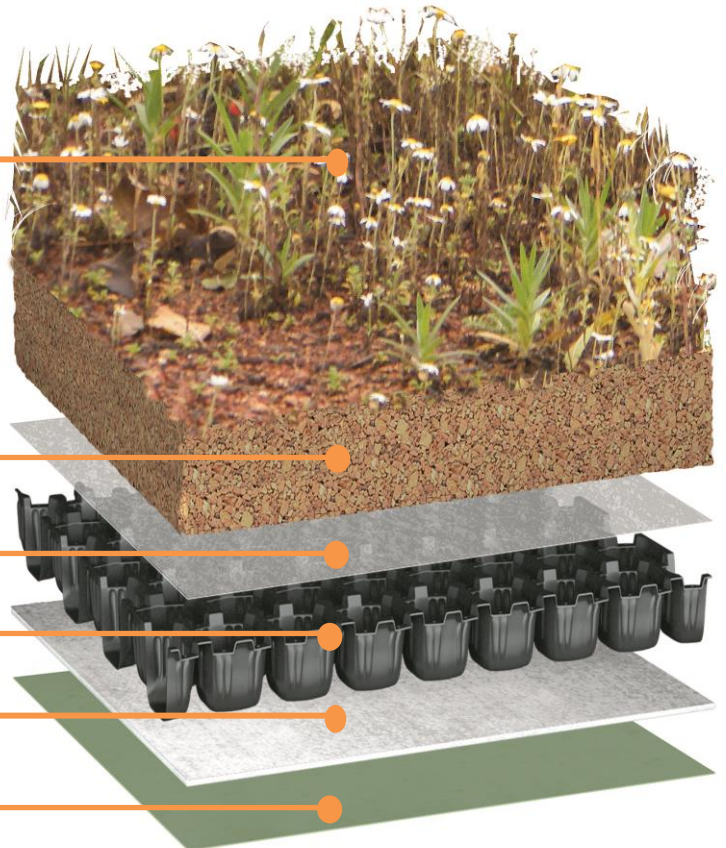
Bauder Extensive Substrate is a lightweight growing material that is formulated to meet FLL guidelines.

Bauder Filter Fleece is a filtration layer that prevents substrate fines from washing into the drainage and water storage layer.

DSE 40 is a lightweight water storage and drainage layer made of HDPE, 40mm thick.

Bauder Eco Mat is a polyester and polypropylene fibre mix protection layer

Bauder PE Foil Separation Layer is a polyethylene foil separation and slip layer manufactured from recycled granules.



When to Specify

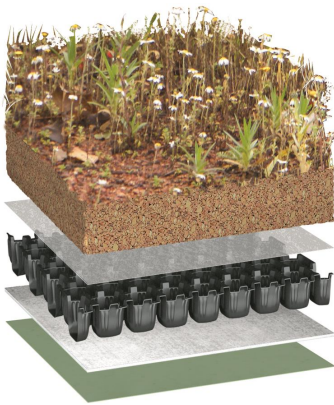
Seeding a roof is a suitable and highly effective method of greening very large areas. Plant establishment and full coverage will take between 18-24 months to achieve, depending upon the time of year sowing takes place and the weather conditions during the period of establishment.

Waterproofing Options

There are different waterproofing systems available to suit the individual project criteria for the green roof, its landscaping options, weight loading limits, performance and durability requirements. Please contact us so that a technical advisor can take you through the system best suited to your project.

Weight Loading

Based on 100mm substrate depth and 0-5° pitch



Product	Thickness (mm)	Saturated Weight (Kg/m ²)
Seeded Plants	N/A	N/A
Bauder Extensive Substrate	100.0*	120.0
Bauder Filter Fleece	1.0	0.125
DSE40 Drainage Layer	40.0	15.3
Bauder Eco Mat	6.0	3.8
Bauder PE Foil Separation Layer	0.2	0.190
Totals	147.20	139.415

* Example substrate thickness, usually is between 80-150mm